Title (en)

Image processing apparatus and control method thereof, and image capture apparatus

Title (de)

Bildverarbeitungsvorrichtung und Steuerverfahren dafür, und Bilderfassungsvorrichtung

Title (fr)

Appareil de traitement d'image et procédé de commande associé et appareil de capture d'image

Publication

EP 2688302 A2 20140122 (EN)

Application

EP 13176723 A 20130716

Priority

JP 2012160942 A 20120719

Abstract (en)

Provided is an image processing apparatus (10) that corrects differences in the tints of captured images caused by differences in the color characteristics of lenses used to shoot the images, as well as a control method for such an apparatus. The type of an interchangeable lens (100) used to shoot an image is determined from a plurality of types of interchangeable lenses having different color characteristics. The influence of differences in the color characteristics of the interchangeable lenses (100) on the tint of the image is then reduced by setting at least one of white balance coefficients used in white balance adjustment of the image and conversion characteristics of a color space conversion process applied to the image to correspond to the type of the interchangeable lens used to shoot the image.

IPC 8 full level

H04N 9/73 (2006.01); **H04N 5/232** (2006.01)

CPC (source: EP KR US)

H04N 9/73 (2013.01 - US); **H04N 23/12** (2023.01 - KR); **H04N 23/66** (2023.01 - EP US); **H04N 23/663** (2023.01 - EP US); **H04N 23/88** (2023.01 - EP KR US)

Citation (applicant)

JP 4337161 B2 20090930

Cited by

CN108989627A; US11310408B2; US10989990B2; US10983418B2; US10911651B2; US10992846B2; US11064105B2; US11281078B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2688302 A2 20140122; **EP 2688302 A3 20140723**; **EP 2688302 B1 20160921**; JP 2014022998 A 20140203; JP 6041561 B2 20161207; KR 101643896 B1 20160729; KR 20140011947 A 20140129; TW 201406147 A 20140201; US 2014022411 A1 20140123; US 9300935 B2 20160329

DOCDB simple family (application)

EP 13176723 A 20130716; JP 2012160942 A 20120719; KR 20130082629 A 20130715; TW 102122520 A 20130625; US 201313930906 A 20130628